

[54] **TELEVISION PICTURE SIZE ALTERING APPARATUS**

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[58] Field of Search 358/12, 22, 138, 160, 358/180, 13

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,571,494	3/1971	Law	358/138 X
3,683,111	8/1972	Southworth	358/138
3,946,432	3/1976	Goldberg et al.	358/13
4,063,280	12/1977	Hattori et al.	358/22

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[57]

ABSTRACT

The size of a color television picture field is changed without changing the size of the raster. This is achieved in an apparatus that includes means responsive to a field of television video signals for sampling same and providing a predetermined number of samples of television video signals per line and a predetermined number of lines per field and means responsive to the predetermined number of samples per line and lines per field for providing a full field of television video signals. Size reduction is accomplished by causing the first mentioned means to skip samples provided at the output thereof in groups of N, where N is the number of samples in a color subcarrier cycle, and to skip line pairs of the field.

11 Claims, 4 Drawing Figures

